

3. lacks neurobehavioral or neuropathological health outcome information
•3. lacks neurobehavioral or neuropathological health outcome information
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
3. lacks neurobehavioral or neuropathological health outcome information
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
•3. lacks neurobehavioral or neuropathological health outcome information
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
1. lacks a comparator (e.g. control or baseline group)
8. Foreign language
1. lacks a comparator (e.g. control or baseline group)
8. Foreign language
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
3. lacks neurobehavioral or neuropathological health outcome information
7. is a conference abstract, grant application/registration, thesis/dissertation, or otherwise not a peer-reviewed scientific
•3. lacks neurobehavioral or neuropathological health outcome information; may ROS information, but based on LD50 and
•3. lacks neurobehavioral or neuropathological health outcome information

							yesadme
							yesadme
							yesadme
							yesadme

3556
3951
3957
4599
4622
4769
4878
5065
5068
5071
5101
5160
5163
5221
5324
5326
5394
5397

Tsung-li Kuo. Urinary paraquat in acute intoxication. <i>Clinica Chimica Acta</i> . 1990. 188:79-84
C. Bandez Gomez. Pesticides and impairment of mitochondrial function in relation with the parkinsonian syndrome. <i>Front Biosci</i> . 2007. 12:1079-93
S. Endo Hara. Possible catabolism of paraquat in mouse brain microsomes. <i>Res Commun Chem Pathol Pharmacol</i> . 1989. 66:159-62
J. F. Maupoil Gherzi-Egea. Electronic spin resonance detection of superoxide and hydroxyl radicals during the reductive metabolism of drugs by rat brain preparations and isolated cerebral microvessels. <i>Free Radic Biol Med</i> . 1998. 24:1074-81
H. A. Mohanan Yamamoto. Effects of melatonin on paraquat or ultraviolet light exposure-induced DNA damage. <i>J Pineal Res</i> . 2001. 31:308-13
P. Jiang Wu. Systematic gene expression profile of hypothalamus in calorie-restricted mice implicates the involvement of mTOR signaling in neuroprotective activity. <i>Mech Ageing Dev</i> . 2009. 130:602-10
L. Li Xiao. Salidroside protects <i>Caenorhabditis elegans</i> neurons from polyglutamine-mediated toxicity by reducing oxidative stress. <i>Molecules</i> . 2014. 19:7757-69
K. H. Chu, P. Y. Lau. Effects of diazinon, malathion, and paraquat on the behavioral response of the shrimp <i>Metapenaeus ensis</i> to chemoattractants. <i>Bull Environ Contam Toxicol</i> . 1994. 53:127-33
A. R. Cook, P. A. Botham, C. B. Breckenridge, D. J. Minnema, N. C. Sturgess, K. Z. Travis. Neurotoxicity of paraquat and paraquat-induced mechanisms of developing Parkinson's disease. <i>Lab Invest</i> . 2016. 96:1028-9
R. B. Crawford, A. M. Guarino. Effects of environmental toxicants on development of a teleost embryo. <i>J Environ Pathol Toxicol Oncol</i> . 1985. 6:185-94
V. Dwivedi, S. C. Lakhotia. Ayurvedic Amalaki Rasayana promotes improved stress tolerance and thus has anti-aging effects in <i>Drosophila melanogaster</i> . <i>J Biosci</i> . 2016. 41:697-711
L. Hou, C. Zhang, K. Wang, X. Liu, H. Wang, Y. Che, F. Sun, X. Zhou, X. Zhao, Q. Wang. Paraquat and maneb co-exposure induces noradrenergic locus coeruleus neurodegeneration through NADPH oxidase-mediated microglial activation. <i>Toxicology</i> . 2017. 380:1-10
M. Huang, Q. Cai, H. H. Li, D. Lou. [Alterations of miRNA profiles and function analysis in paraquat-induced apoptosis of hNPCs]. <i>Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi</i> . 2017. 35:19-24
F. Li, X. Tian, X. Zhan, B. Wang, M. Ding, H. Pang. Clathrin-Dependent Uptake of Paraquat into SH-SY5Y Cells and Its Internalization into Different Subcellular Compartments. <i>Neurotox Res</i> . 2017. #volume#:#pages#
D. A. Rendon. Mitochondria isolated from the striatum brain of acute paraquat treated rats exhibit a higher degree of oxidative phosphorylation coupling, which shows that they are not subject to energetic dysfunction upon acute paraquat administration. <i>J Bioenerg Biomembr</i> . 2016. 48:549-551
F. Richter, L. Gabby, K. A. McDowell, C. K. Mulligan, K. De La Rosa, P. C. Sioshansi, F. Mortazavi, I. Cely, L. C. Ackerson, L. Tsan, N. P. Murphy, N. T. Maidment, M. F. Chesselet. Effects of decreased dopamine transporter levels on nigrostriatal neurons and paraquat/maneb toxicity in mice. <i>Neurobiol Aging</i> . 2017. 51:54-66
T. J. Telfer, J. R. Liddell, C. Duncan, A. R. White, R. Codd. Adamantyl- and other polycyclic cage-based conjugates of desferrioxamine B (DFOB) for treating iron-mediated toxicity in cell models of Parkinson's disease. <i>Bioorg Med Chem Lett</i> . 2017. 27:1698-1704
M. D. Thompson, X. F. Zhang. Response to: Neurotoxicity of paraquat and paraquat-induced Parkinson's disease. <i>Lab Invest</i> . 2016. 96:1030-4

The Parkinsonian syndrome induced by pesticides is associated with the impairment of mitochondrial function. Toxicants
Whether formalin would be formed from paraquat (PQ) was studied in vitro using subcellular fractions of the mouse tiss
A spin trapping technique was used to analyze by electron spin resonance (ESR) the formation of oxygen-derived free rad
The effect of paraquat or ultraviolet (UV) light exposure on calf thymus DNA was investigated in vitro. When paraquat (0
Calorie restriction (CR) delays aging and onset of age-related diseases in a variety of organisms from yeast to mammals.
Polyglutamine (polyQ) aggregation plays a pivotal role in the pathological process of Huntington's disease and other poly
Embryos of the teleost <i>Fundulus heteroclitus</i> are shown to be useful model systems for monitoring the effects of xenobio
Amalaki Rasayana (AR) is a common Ayurvedic herbal formulation of <i>Phyllanthus emblica</i> fruits and some other ingredie
Co-exposure to paraquat (PQ) and maneb (Mb) has been shown to increase the risk of Parkinson's disease (PD) and dopa
Objective: To investigate the impacts of paraquat on microRNA profiles in apoptosis of human neural progenitor cells (hN
The herbicide paraquat (PQ) is an exogenous toxin that allows the selective activation of dopaminergic neurons in the me
How genetic variations in the dopamine transporter (DAT) combined with exposure to environmental toxins modulate th
The death of dopaminergic neurons is a major pathological hallmark of Parkinson's disease (PD). Elevated iron within the

Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant

•3. lacks neurobehavioral or neuropathological health outcome information
Review - Level 2
•3. lacks neurobehavioral or neuropathological health outcome information
•1. lacks a comparator (e.g. control or baseline group)
•3. lacks neurobehavioral or neuropathological health outcome information
•1. lacks a comparator (e.g. control or baseline group)
6. mixture study lacking paraquat-only exposure
•3. lacks neurobehavioral or neuropathological health outcome information
Review - Level 2
•3. lacks neurobehavioral or neuropathological health outcome information
•1. lacks a comparator (e.g. control or baseline group)
6. mixture study lacking paraquat-only exposure
8. Foreign language
•3. lacks neurobehavioral or neuropathological health outcome information
Review - Level 2
6. mixture study lacking paraquat-only exposure
6. mixture study lacking paraquat-only exposure
Review - Level 2

							yesadme
							yesadme
							yesadme
							yesadme



5480
5489
5505
5518
5519
5532
5541
5575
5584
5599
5608
5624
5625
5640
5642
5656
5663

E. Deora V. Robertson B. A. Cooper M. A. Schroder K. Woodruff T. M. Gordon R. Albornoz. Paraquat activates the NLRP3 Inflammasome in microglia via the NADPH oxidase pathway. <i>European Journal of Immunology</i> . 2016. 46:1264-1264
K. Mamadiev M. Khuzhamberdiev M. A. Gorkin V. Z. Amanov. Peculiarities of the biochemical effects of paraquat on oxidative deamination of biogenic amines and some other nitrogenous compounds. <i>Voprosy Meditsinskoi Khimii</i> . 1994. 40:22-28
M. D. Ludwig M. Ludwig L. S. Alano A. S. Zardo V. Steffen V. M. Arbo. Toxic effect of pesticides maneb and paraquat on catalase antioxidant enzyme activity in rats. <i>Revista de Ciencias Farmaceuticas Basica e Aplicada</i> . 2006. 27:57-61
K. Szabo L. Matkovics B. Berencsi G. Barabas. Effect Of Paraquat On Oxidative Enzymes In Vivo. <i>Industrial and Environmental Xenobiotics. Metabolism and Pharmacokinetics of Organic Chemicals and Metals, Gut, I., M. Cikrt, and G. L. Plaa, Editors</i> . 1981. #volume#:19811981
K. Szabo L. Matkovics B. Berencsi G. Barabas. Effects of paraquat of peroxide metabolism enzymes and lipid peroxidation in the rat. <i>Gen Pharmacol</i> . 1984. 15:133-138
G. Calia G. Puggioni G. Spissu Y. Rocchitta G. Debetto P. Grigoletto J. Zusso M. Migheli R. Serra P. A. Desole M. S. Miele E. Bazzu. $\alpha$ -synuclein- and MPTP-generated rodent models of parkinson's disease and the study of extracellular striatal dopamine dynamics: A microdialysis approach. <i>CNS and Neurological Disorders - Drug Targets</i> . 2010. 9:482-490
V. Rajput A. H. Uitti R. J. Bennett. An epidemiological survey of agricultural chemicals and incidence of parkinson's disease. 40th Annual Meeting of the American Academy of Neurology, Cincinnati, Ohio, USA, April 17-23, 1988. <i>Neurology</i> . 1988. 38:349
E. M. Krijnen C. J. Boyd. Dietary Protein And DDT Toxicity. <i>Bulletin of Environmental Contamination and Toxicology</i> . 1969. 4:256-261
L. Saracchi E. Begni B. Riva C. Andreoni S. Ferrarese C. Brighina. 17 $\beta$ -estradiol protects from mitochondrial and proteasome dysfunction induced by pesticides in human neuroblastoma cells. <i>Journal of Neurology</i> . 2009. 256:S192
E. K. Voigt A. Schulz J. B. Butler. Alpha synuclein neurotoxicity modified by mitochondrial chaperone protein TRAP1. <i>Journal of Neurochemistry</i> . 2009. 110:180
Z. Fan L. W. Lin R. C. S. Simpson K. L. Philip R. G. Cai. Perinatal LPS exposure increases the risk for dopaminergic disorders in adult life. <i>Parkinsonism and Related Disorders</i> . 2012. 18:S190
C. B. Chadborn N. Hanemann O. Zajicek J. Carroll. Cannabinoids are neuroprotective in a cell culture model of parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> . 2009. 80:#pages#
C. B. Zeissler M. L. Stone V. Hanemann C. O. Zajicek J. P. Carroll. Cannabinoids are neuroprotective in a human cell culture model of Parkinson's disease. <i>Movement Disorders</i> . 2010. 25:S621
H. Chen J. Z. Hou R. R. Yang A. L. Kang X. G. Zhang Y. Li Y. L. Li H. L. Chen. Inhibition of salidroside on apoptosis of PC12 cells induced by paraquat and its related mechanisms. <i>Chinese Journal of Pharmacology and Toxicology</i> . 2007. 21:190-196
L. Yoo S. E. Na R. Liu Y. Ran Q. Chen. Reactive oxygen species from mitochondria play a key role in exacerbating cognitive impairment and amyloidogenesis induced by pesticide exposure. <i>Free Radical Biology and Medicine</i> . 2011. 51:S69
S. J. Woods G. Demaria M. Campisi J. Andersen J. K. Chinta. Cellular senescence induced by paraquat drives neuropathology associated with Parkinson's disease. <i>Movement Disorders</i> . 2016. 31:S252-S252
A. Lloret A. Coccia R. Viña J. Cocciolo. Role of RCAN1 in stress induced cell adaptation. <i>Free Radical Biology and Medicine</i> . 2012. 53:S217

BIOSIS COPYRIGHT: BIOL ABS. Intoxication of rats with the herbicide paraquat (1,1-dimethyl-4,4-bipyridilium dichloride) v
Free radicals are involved in many human diseases, including Alzheimer's disease and Parkinson's disease. The brain is th
The effects of paraquat (4685147) on oxidative metabolism enzymes were investigated in CFLP-mice and New-Zealand-r
HEEP COPYRIGHT: BIOL ABS. How the LD50 and L100 of PQ influence the peroxide metabolism enzymes and lipid peroxid
The classical animal models of Parkinson's disease (PD) rely on the use of neurotoxins, including 1-methyl-4-phenyl-1,2,3
Biosis copyright: biol abs. rrm abstract human saskatchewan canada paraquat
The effect of manipulation of dietary protein on the onset of DDT (50293) toxicity was studied in rats. Weanling albino-W
Background and objectives: Epidemiological data indicate male gender and reduced fertile life length in women as risk fa
Alpha synuclein overexpression and/or mutation, leading to protein aggregation and neurotoxicity, are thought to be key
Prenatal exposure to lipopolysaccharide (LPS) has been shown to be likely to increase the risk for dopaminergic disorders
Background: Cannabinoids may have neuroprotective effects that could be exploited for the treatment of neurodegener
Background: Cannabinoids have neuroprotective effects which could be exploited for the treatment of Parkinson's diseas
AIM: To study the neuroprotective effect and its related mechanisms of salidroside. METHODS: Paraquat (PQ)-induced ap
Epidemiological studies indicate that exposure to environmental toxins such as pesticides is a risk factor of Alzheimer's d
RCAN1 (Regulator of Calcineurin 1), also known as DSCR-1, Down Syndrome Critical Region 1, belongs to a family of gene

Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant
Not Relevant